What is claimed is:

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- 1. A remote meter reading system comprising:
- a meter reading system for sending metering information of a subscriber

 via an infrastructure of a mobile communication system to a remote control system in communication with the meter reading system for collecting the metering information of the subscriber.
- 2. The system of claim 1, wherein the metering information is transferred to the remote control system via a short message service (SMS) of the mobile communication system.
 - 3. The system of claim 1, wherein the mobile communication network operates based on a code division multiple access (CDMA) technology.
 - 4. The system of claim 1, wherein the meter reading system comprises:
 - a meter reading unit in communication with at least one utility meter;
- a converter unit for converting meterage information provided by the utility
 meter into a digital signal;
 - a multiplexer for selecting the digital signal.
 - 5. The system of claim 4, further comprising:
- a controller for controlling the multiplexer's selection based on number of meters in communication with the meter reading system.

6. The system of claim 4, further comprising:

a processor for generating a short message comprising the digital signal selected by the multiplexer.

7. The system of claim 6, further comprising:

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a communication module for communicating the short message to the remote control system through the mobile communication network.

- 8. The system of claim 7, wherein the communication module acts as
 an interface between the remote control system and the meter reading system to
 receive a message from the remote control system and transfer it to the processor.
 - 9. The system of claim 8, wherein when a message is received from the remote control system, the processor decodes the received message and stores identification information identifying the at least one utility meter.
 - 10. The system of claim 9, wherein the controller controls the multiplexer based on the identification information.
- 20 11. The system of claim 8, wherein the message received from the control system comprises instructions to cut off supply to a subscriber.
 - 12. The system of claim 8, wherein the message comprises at least one of:

an ID number of a subscriber;

an identifier of the utility meter;

meter-reading date and time information; and information on failure of the meter and its energy leakage.

- 13. The system of claim 1, wherein the remote control system 5 comprises:
 - a communication module for wirelessly communicating a message with the meter reading system;
 - a decoder for extracting metering information of a subscriber from the message;
 - a processor for managing the extracted metering information and generating at least one control signal for controlling the meter reading system; and an encoder for generating a short message comprising the control signal and providing the short message to the communication module.

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14. The system of claim 8, wherein the message comprises at least one of:

an ID number of a target subscriber;
an identifier identifying a utility meter to be read;
time information indicating time for reading the meter; and
control information to control supply to the target subscriber.

- 15. A short messaging structure for communicating information between a meter reading system and a remote control system connected in a mobile communication network, the short messaging structure comprising at least one of:
 - a subscriber number of the meter reading system;

meter ID of a utility meter,
meter reading time for reading a utility meter; and
service control information for supplying utility to the subscriber.

16. The short messaging structure of claim 15, wherein the subscriber number identifies a subscribing household to utility services.

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- 17. The short messaging structure of claim 15, wherein the meter ID identifies a utility meter utilized to measure usage of utility service provided to a subscriber, identified by the subscriber number.
- 18. The short messaging structure of claim 15, wherein the meter reading time provides a time for reading a utility meter identified by the meter ID.
- 19. The short messaging structure of claim 15, wherein the service control information provides information to limit services provided to a subscriber identified by the subscriber number.
- 20. A short messaging structure for communicating information
 between a meter reading system and a remote control system connected in a
 mobile communication network, the short messaging structure comprising at least
 one of:

a subscriber number of the meter reading system; meter ID of a utility meter;

meterage information about the subscriber's use;
meter reading time for reading a utility meter; and

meter state information indicating state of utility supplied to the subscriber.

- 21. A mobile communication-based remote meter reading method comprising sending metering information of a subscriber from a meter reading system to a remote control system in communication with the meter reading system via the infrastructure of a mobile communication system.
- 22. The method of claim 21, further comprising transferring the metering information to the remote control system via a short message service (SMS) of the mobile communication system.
 - 23. The method of claim 21, wherein the mobile communication network operates based on a code division multiple access (CDMA) technology.
 - 24. The method of claim 21, wherein a meter reading unit is in communication with at least one utility meter, the method further comprising:

converting meterage information provided by the utility meter into a digital signal; and

selecting the digital signal.

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- 25. The method of claim 24, further comprising:
- controlling the selection of the digital signal based on number of meters in communication with the meter reading system.
- 25. The method of claim 24, further comprising:

 generating a short message comprising the selected digital signal.

27. The method of claim 26, further comprising:

communicating the short message to the remote control system through the mobile communication network.

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28. The method of claim 27, wherein the communication module acts as an interface between the remote control system and the meter reading system, the method further comprising:

receiving a message from the remote control system and transfer it to a processor in the meter reading system.

- 29. The method of claim 28, further comprising:

 receiving a message from the remote control system;

 decoding the received message by the processor; and

 storing identification information identifying the at least one utility meter.
- 30. The method of claim 29, further comprising:

 controlling the selection of the digital signal based on the identification information.

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- 31. The method of claim 28, wherein the message received from the control system comprises instructions to cut off supply to a subscriber.
- 32. The method of claim 28, wherein the message comprises at least one of:

an ID number of a subscriber;

an identifier of the utility meter;
meter-reading date and time information; and
information on failure of the meter and its energy leakage.

33. The method of claim 28, wherein the message comprises at least one of:

an ID number of a target subscriber;
an identifier identifying a utility meter to be read;
time information indicating time for reading the meter; and
control information to control supply to the target subscriber.

- 34. A remote control system in communication with a meter reading system for collecting the metering information of a subscriber, wherein the meter reading system sends metering information of the subscriber via an infrastructure of a mobile communication system to the remote control system.
- 35. The system of claim 34, wherein the metering information is transferred to the remote control system via a short message service (SMS) of the mobile communication system.

36. The system of claim 35, wherein the mobile communication network operates based on a code division multiple access (CDMA) technology.

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